

# MSC-2P CENTRIFUGE/VORTEX, TWO IN ONE SOLUTION FOR REACTION SET UP

**Basic Plus**  
Product Class



**Spin-Mix-Spin Algorithm (SMS)**  
Collects micro-volumes to the bottom of PCR plates with repeated centrifuge-vortex cycles.



**Dual Functionality**  
Centrifuge Mode for fast spin-down  
Vortex Mode Full rotor shake for uniform mixing

**Customizable SMS Cycles**  
1–10 cycles for optimal results



**High-Speed Performance\***  
Max Speed: 3,500 rpm  
Max RCF: 610 × g

**User-Friendly**  
LCD display



**Compact**  
footprint



**Safety**  
Lid Lock for Protection

The **MSC-2P** is a digital centrifuge/vortex designed to improve PCR yield by efficiently collecting droplets, mixing reagents, and resetting samples for better results. Combination of centrifuge and vortex functions ensures rapid operation, thorough mixing, and consistent results. The **MSC-2P** accommodates 2 PCR plates simultaneously (unskirted or semi-skirted), allowing for significant time savings in PCR workflows.

**Widest speed range from all of the competitors:**

Device	Max Speed	Max RCF	Spin-Mix-Spin
<b>MSC-2P*</b>	<b>3,500 RPM</b>	<b>610 ×g</b>	<b>yes</b>
Competitor A	2,500 RPM	500 ×g	no
Competitor B	2,550 RPM	600 ×g	no
Competitor C	2,500 RPM	500 ×g	no
Competitor D	2,500 RPM	450 ×g	no
Competitor E	2,500 RPM	400 ×g	no
Competitor F	2,500 RPM	225 ×g	yes

**Use your MSC-2P for tasks:**

**Droplet Removal** — Eliminating condensation and droplets from PCR plate lids and walls to prevent contamination.

**Reagent Mixing** — Ensuring uniform distribution of reagents within wells for consistent reactions.

**Plate Sealing** — Facilitating the sealing process by ensuring all contents are at the bottom of the wells.

**Dissolving Substances** — Dehydrating lyophilized reagents to ensure complete dissolution before use in PCR reactions.

**Applications:**

**Gene Expression Analysis and Genotyping** — Ensures thorough mixing and collection sample-reagent mix.

**Cloning** — Effective DNA template preparation and primer mixing.

**Mutagenesis** — Ensures even dispersion of reagents.

**Methylation Analysis** — Efficient collection of bisulfite-treated DNA for PCR.

**Sequencing** — Prepares DNA sample-reagent mix for sequencing, ensuring even distribution.

**Medical, Forensic, and Applied Sciences sample and reagent**

